2016 FFH Seed Grant Recipients -Total Research Investment \$125,000

Project	Team	Amount
Untargeted and targeted metabolomics approaches	Rich Bruno (PI) (EHE), Rachel Kopec (Co-PI) (EHE),	\$25,000
to determine hepatic anti-inflammatory activities of	Ken Riedl (CFAES), Morgan Cichon (CFAES)	
green tea in nonalcoholic steatohepatitis		
Metabolomics discovery to identify determinants of	Willa Hsueh (PI) (COM), Arpad Somogy (CCIC), Vicki	\$25,000
adipose tissue inflammation in obesity	Wysocki (CAS),	
Effects of dietary sphingomyelin on neonatal piglet	Sheila Jacobi (PI)(CFAES), Rafael Jimenez-Flores	\$25,000
intestinal health and membrane	(Co-PI) (CFAES), Morgan Cichon (CFAES)	
composition		
The impact of metabolic syndrome on fat soluble	Rachel Kopec (PI) (EHE), Rich Bruno (Co-PI) (EHE)	\$25,000
vitamin uptake		
Metabolome-based genome-wide association study	Guo-Liang Wang (PI)(CFAES), Josh Blakeslee (Co-PI)	\$25,000
of innate immunity in rice	(CFAES)	

2017 FFH Seed Grant Recipients- Total Research Investment \$125,000

Project	Team	Amount
Impacts of Salmonella infection on the chemical and	Brian Ahmer (PI)(COM), Vicki Wysocki (Co-PI)	\$25,000
biological landscape of the gut	(CAS), Kelly Wrighton (CAS)	
Metabolomic and Transcriptional Responses to	David Francis (PI) (CFAES), Steven Clinton (Co-PI)	\$25,000
Diets Containing Red or Tangerine Tomatoes	(COM), Jessica Cooperstone (CFAES)	
The Effects of Dietary Modification on the Brain	Tonya Orchard (PI) (EHE), Rachel Kopec (Co-PI)	\$25,000
Lipidome after Chemotherapy	(EHE), A. Courtney DeVries (COM)	
Using targeted and broad-spectrum metabolomics	Sandra Velleman (PI) (CFAES), Daniel Clark (Co-PI)	\$25,000
to identify metabolism-based changes leading to	(CFAES), Josh Blakeslee (CFAES)	
decreased meat quality in fast growing turkeys		
Functional Foods and Oral Cancer Prevention:	Chris Weghorst (PI) (COPH), Thomas Knobloch	\$25,000
Hybrid NMR-MS Metabolic Signature of	(COPH), Steve Oghumu (COM) Rafael	
Experimental Oral Carcinogenesis and Black	Bruschweiler(CAS), Arpad Somogy (CCIC)	
Raspberry Chemoprevention		

2018 FFH Seed Grant Recipients – Total Research Investment \$125,000

Project	Team	Amount
Metabolomic Signature of Beef Consumption in the	Steven Clinton (PI)(COM), Colleen Spees (Co-PI)	\$25,000
Context of a Healthy Dietary Pattern in Cancer	(COM), Eric England (CFAES), Rishi Jain (COM), Liz	
Survivors	Grainger (COM), Jennifer Thomas-Ahner (COM),	
	Greg Young (CB)	
Linking apple genomics and metabolomics for	Jessica Cooperstone (PI) (CFAES), Jonathan	\$25,000
nutrition-driven germplasm improvement	Fresnedo Ramirez (CFAES), Emmanuel Hatzakis	
	(CFAES), Diane Miller (CFAES)	
From agricultural waste products to colon health:	Emmanuel Hatzakis (PI) (CFAES), Michael Bailey	\$25,000
Producing prebiotics from apple pomace.	(Co-PI) (COM), Josh Blakeslee (CFAES)	

Effects of rotaviral infections and probiotic bacteria on host metabolome	Gireesh Rajashekara (PI) (CFAES), Anastasia Vlasova (Co-PI) (CFAES), Linda Saif (CFAES), Vicki Wysocki (CAS), Arpad Somogyi (CCIC)	\$25,000
Metabolomic and Microbial Factors of Postpartum	Matthias Klein (PI) (CFAES), Lisa Christian (Co-PI)	\$25,000
Weight Retention	(COM)	

2019 FFH Seed Grant Recipients – Total Research Investment \$50,000

Project	Team	Amount
Food products for the targeted enrichment of gut	Jiangjiang 'Chris' Zhu (PI) (EHE), Dan Spakowicz	\$25,000
microbes	(COM), Yael Vodovotz (CFAES), Qin Ma (COM)	
Inhibition of Allergic Contact Dermatitis by Black	Steve Oghumu (PI) (COM), Jessica Cooperstone	\$25,000
Raspberry Phytochemicals: Mechanisms and	(Co-PI) (CFAES)	
Applications		

2021 FFH Seed Grant Recipients – Total Research Investment \$170,000

Project	Team	Amount
Machine Learning and AI to Advance Whole Wheat	Xia Ning (PI) (COM/COE), Chris Simons (CFAES),	\$20,000
Acceptance	Devin Peterson (CFAES)	
Dietary Approach to Improve Human Muscle	Kedryn Baskin (PI) (COM), David Arnold (COM),	\$50,000
Mitochondrial Function	Martha Belury (EHE)	
Investigating the Role of Diet Quality and	Tonya Orchard (PI) (EHE), Stephanie Gorka (COM),	\$50,000
Nutritional Status in Chemotherapy-	Lei Wang (COM), Maryam Lustberg (COM), Nicole	
Related Cognitive Impairment in Breast Cancer	Williams (COM), Patrick Snell (CPH), Rachel Kopec	
Survivors	(EHE)	
Development of Affordable Artificial Intelligence-	Rachel Kopec (PI) (EHE), Raghu Machiraju	\$50,000
Enhanced Automation to	(COE/COM)	
Increase Reproducibility of Multi-Omic Workflows		

2022 FFH Seed Grant Recipients - Total Research Investment \$160,000

Project	Team	Amount
Diet Quality and Biologic Aging in Breast Cancer	Janice Kiecolt-Glaser (PI) (COM), Christin Burd	\$20,000
Survivors: A Prospective Study	(CAS), Rebecca Andridge (COPH), Martha Belury	
	(EHE)	
A soy-tomato dietary intervention to reduce	Thomas Mace (PI) (COM), Jessica Cooperstone	\$20,000
inflammatory eosinophils	(CFAES), Phil Hart (COM)	
Cognitive and Anti-Inflammatory Benefits of	Cole Vonder Haar (PI) (COM), Yael Vodovotz	\$20,000
Anthocyanins and Prebiotic Polysaccharides along	(CFAES), Richard Bruno (EHE)	
the Gut-Brain Axis		
Gut Microbiota Modulate Intestinal Endogenous	Lihua Ye (PI) (COM), Devin Peterson (CFAES),	\$50,000
Opioid Signaling to Promote Food Pleasure	Jiangjiang 'Chris' Zhu (EHE)	
Multiomics and Advanced Modeling Approaches to	Jiangjiang 'Chris' Zhu (PI) (EHE), Michael Baily	\$50,000
Identify Microbiome-Mediated Mechanisms of	(PI)(COM), Colleen Spees (COM), Kelly Kelleher	
Cardiometabolic Health of Child-Parent Dyads	(NCH), Amrik Khalsa (NCH), Ross M. Maltz (NCH),	
Enrolled in an Intensive Lifestyle Intervention Trial	Brett Lohman (UIUC)	

2023 FFH Seed Grant Recipients – Total Research Investment \$180,000

Project	Team	Amount
Bioactive Phytochemical Enhancement in Arugula	Jessica Cooperstone (PI) (CFAES), Chieri Kabota	\$50,000
Using Hydroponic Production Methods	(CFAES), Aaron Wiedemer (CFAES)	
Adipocyte Extracellular Vesicles Promote	Willa Hsueh (PI) (COM), Eduardo Reátegui (COE)	\$50,000
Atherosclerosis in Obesity		
Dietary Impact on Phagocytic & Mitochondrial	Ruth Barrientos (PI) (COM), Kedryn Baskin (COM)	\$40,000
Function of Brain Cells From Young Adult and Aged		
Rats		
Taste and Tactile Underpinnings of Picky Eating	Chris Simons (PI) (CFAES), Praveen Goday (NCH)	\$40,000

2024 FFH Seed Grant Recipients – Total Research Investment \$150,000

Project	Team	Amount
Enhancing the nutritional and processing potential of cereal fibers: Refining physicochemical properties and unravelling structure-function relationships to promote gut health.	Emmanuel Chatzakis (PI) (CFAES), Osvaldo Campanella (CFAES), Chris Simons (CFAES)	\$50,000
Spinal cord injury disrupts bile acid production and metabolism	Dana McTigue (PI) (COM), Phil Popovich (COM), Rich Bruno (EHE), Jiangjiang 'Chris' Zhu (EHE)	\$50,000
Impact of Dietary Lipids on Lynch Syndrome	Maria Mihaylova (COM), Holli Loomans-Kropp	\$50,000
Associated Colorectal Cancer	(COM), Steven Clinton (COM)	